TD1: Diagramme des cas d'utilisation

Define Uses cases

The 12-bit Analog-to-digital converter (ADC) is a successive approximation analog-to-digital converter. It has up to 18 multiplexed channels allowing it measure signals from 16 external and two internal sources. A/D conversion of the various channels can be performed in single, continuous, scan or discontinuous mode. The result of the ADC is stored in a left-aligned or right-aligned 16-bit data register. The analog watchdog feature allows the application to detect if the input voltage goes outside the user-defined high or low thresholds.

[source STM32 Manual]

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TD1: Diagramme des cas d'utilisation

Define Uses cases

The universal synchronous asynchronous receiver transmitter (USART) offers a flexible means of full-duplex data exchange with external equipment requiring an industry standard NRZ asynchronous serial data format. The USART offers a very wide range of baud rates using a fractional baud rate generator. It supports synchronous one-way communication and half-duplex single wire communication. It also supports the LIN (local interconnection network), Smartcard Protocol and IrDA (infrared data association) SIR ENDEC specifications, and modem operations (CTS/RTS). It allows multiprocessor communication. High speed data communication is possible by using the DMA for multibuffer configuration.

[source STM32 Manual]